

(19) World Intellectual Property Organization

International Bureau

21 May 2004 (21.05.2004)





(43) International Publication Date PCT

(10) International Publication Number WO 2004/041199 A3

(51) International Patent Classification7: A61K 31/70

C07H 5/06,

(21) International Application Number:

PCT/US2003/034846

(22) International Filing Date: 31 October 2003 (31.10.2003)

(25) Filing Language:

(26) Publication Language:

English

(30) Priority Data: 60/423,119

1 November 2002 (01.11.2002) US

- (71) Applicant (for all designated States except US): CARGILL, INCORPORATED [US/US]; Law Department, P.O. Box 5624, Minneapolis, MN 55440-5624 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ROGERS, Brent, Daniel [US/US]; 17489 Blackhawk Road, Ottumwa, IA 52501-8867 (US). FOSDICK, Lawrence, E. [US/US]; 609 21st Avenue West, Oskaloosa, IA 52577 (US). BOHLMANN, John, Andrew [US/US]; 472 East Rochester, Ottumwa, IA 52501 (US).
- (74) Common Representative: DEGRANDIS, Paula, A.; Cargill Incorporated, 15407 McGinty Road West, Wayzata, MN 55391 (US).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 23 September 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: N-ACETYL-D-GLUCOSAMINE (NAG) SUPPLEMENTED FOOD PRODUCTS AND BEVERAGES

(57) Abstract: Food products and beverages which include N-acetyl-D-glucosamine (NAG) are provided, as are methods of thier use and preparation. Embodiments of the supplemented food products and beverages are heated to high temperatures, such as those used in pasteurization, without significant adverse effects on taste, color, odor and/or texture.